

EXPRESS MAIL LABEL NO.: EU511484728US

PTO/SB/08A (08-03)

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Substitute for form 1449/PTO		Complete if Known	
INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Use as many sheets as necessary)		Application Number	10/671,404
		Filing Date	09/25/2003
		First Named Inventor	Graeme John Dunn
		Art Unit	1724
		Examiner Name	Robert H. Spitzer
		Attorney Docket Number	M03A236
Sheet	1	of	3

U. S. PATENT DOCUMENTS					
Examiner Initials*	Cite No. ¹	Document Number	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Number-Kind Code ² (if known)			
RHS	1	US- 4 492 769	01-08-1985	Blanchard et al.	
RHS	2	US- 4 680 282	07-14-1987	Blanchard et al.	
RHS	3	US- 5 013 705	05-07-1991	Koberstein et al.	
RHS	4	US- 5 965 481	10-12-1999	Durand et al.	
RHS	5	US- 5 023 276	06-11-1991	Yarrington et al.	
RHS	6	US- 2001/0041159	11-15-2001	Tamhankar et al.	
RHS	7	US- 6 051 162	04-18-2000	Van den Sype	
RHS	8	US- 5 510 056	04-23-1996	Jacobs et al.	
RHS	9	US- 5 658 497	08-19-1997	Kumar et al.	
RHS	10	US- 4 048 091	09-13-1997	Barnaba	
RHS	11	US- 5 856 585	01-05-1999	Sanfilippo et al.	
RHS	12	US- 4 522 894	06-11-1985	Hwang et al.	
RHS	13	US- 4 844 837	07-04-1989	Heck et al.	
RHS	14	US- 4 897 253	01-30-1990	Jenkins	
RHS	15	US- 5 368 835	11-29-1994	Choudhary et al.	
RHS	16	US- 5 441 581	08-15-1995	Van den Sype et al.	
RHS	17	US- 5 883 138	03-16-1999	Hershkowitz et al.	
RHS	18	US- 5 976 721	11-02-1999	Limaye	
RHS	19	US- 5 639 401	06-17-1997	Jacobs et al.	

FOREIGN PATENT DOCUMENTS						
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		Country Code ³ Number ⁴ Kind Code ⁵ (if known)	MM-DD-YYYY			
PHS ✓	20	EP 1 134 188 A2	09-19-2001	The BOC Group		
PHS	21	EP 0 524 643 A1	01-27-1993	Corning Inc.		
PHS ✓	22	EP 0 781 591 A2	07-02-1997	ICT Co., Ltd.		
PHS ✓	23	EP 0 548 679 A1	06-30-1993	Idemitsu Kosan		
PHS ✓	24	EP 0 640 561 A1	03-01-1995	Shell Internationale		

Examiner Signature	Robert H. Spitzer	Date Considered	June 29, 2005
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Substitute for form 1449/PTO

**INFORMATION DISCLOSURE
STATEMENT BY APPLICANT**

(Use as many sheets as necessary)

Sheet 2 of 3**Complete if Known**

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Examiner Name	Robert H. Spitzer
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		US-			
P45	28	US- 5 580 536	12-03-1996	Yao et al.	
P45	29	US- 5 232 889	08-03-1993	Blanchard et al.	
P45	30	US- 4 537 873	08-27-1985	Kato et al.	
P45	31	US- 4 927 799	05-22-1990	Matsumoto et al.	
P45	32	US- 6 329 434 B1	12-11-2001	Wen et al.	
P45	33	US- 6 458 334 B1	10-01-2002	Tamhankar et al.	
P45	34	US- 5 431 855	07-11-1995	Green et al.	
P45	35	US- 5 500 149	03-19-1996	Green et al.	
P45	36	US- 6 254 807 B1	07-03-2001	Schmidt et al.	
P45	37	US- 6 455 597 B2	09-24-2002	Hohn et al.	
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P45	38	GB 1399137	06-25-1975	Ward		
P45	39	WO 99/48805	09-30-1999	Carpenter		
P45	40	EP 0 303 438 A2	02-15-1989	Davy McKee Corp.		
P45	41	JP 11-342334	12-14-99	Nippon Shokubai		
P45	42	WO 93/01130	01-21-93	Bhattacharya		
P45	43	WO 98/35908	08-20-98	Jacobs		

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NON PATENT LITERATURE DOCUMENTS			
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RHS	1	SINTERED CERIA: A NEW DENSE AND FINE GRAINED CERAMIC MATERIAL by J.F. Baumard, C. Gault and A. Argoitia; Journal of the Less-Common Metals, 127 (1987) 125-130	
RHS	2	"A Comparative Study of Oxygen Storage Capacity Over Ce _{0.6} Zr _{0.4} O ₂ Mixed Oxides Investigated by Temperature-Programmed Reduction and Dynamic OSC Measurements," Hickey et al., Catalysis Letters, Vol. 72, No. 102, pp. 45-50 (2001)	
RHS	3	"Effect of Ceria Structure on Oxygen Migration for Rh/Ceria Catalysts," by Cordatos et al., J. Phys. Chem., 100, 785-789 (1996)	
RHS	4	"Tape Cast Solid Oxide Fuel Cells for the Direct Oxidation of Hydrocarbons," Park et al., Journal of the Electrochemical Society, 148 (5), pp. A443-A447 (2002)	
RHS	5	"Catalytic Partial Oxidation of Methane to Synthesis Gas Over Ni-CeO ₂ ," Zhu et al., Applied Catalysis A: General 208, pp. 403-417 (2001)	
RHS	6	"Catalytic Partial-Oxidation of Methane on a Ceria-Supported Platinum Catalyst for Application in Fuel Cell Electric Vehicles," Pino et al., Applied Catalysis A: General 225, pp. 63-75 (2002)	
RHS	7	K. Otsuka, T. Ushiyama and I. Yamanaka, "Partial Oxidation of Methane Using the Redox of Cerium Oxide," CHEMISTRY LETTERS, pp. 1517-1520, 1993	
RHS	8	E.S. Putna, J. Stubenrauch, J.M. Vohs, and R. J. Gorte, "Ceria-Based Anodes for the Direct Oxidation of Methane in Solid Oxide Fuel Cells," LANGMUIR, Vol. 11, No. 12, 1995, PP. 4832-4837	

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	1	US-4492769	01-08-1985	Blanchard et al.	
	2	US-4680202	07-14-1987	Blanchard et al.	
	3	US-5043706	06-07-1991	Koberstein et al.	
	4	US-5965481	10-12-1999	Durand et al.	
	5	US-5029276	06-11-1991	Yarrington et al.	
	6	US-2001/0041159	11-15-2001	Tomhanker et al.	
	7	US-6051162	04-18-2000	Van den Syne	
	8	US-5510056	04-23-1996	Jacobs et al.	
	9	US-5650497	08-10-1997	Kumar et al.	
	10	US-4048091	09-13-1997	Barnabe	
	11	US-5856585	04-05-1999	Sanfilippo et al.	
	12	US-4522894	06-11-1985	Hwang et al.	
	13	US-4844837	07-04-1989	Heek et al.	
	14	US-4897253	01-30-1990	Jenkins	
	15	US-5368836	11-29-1994	Ghoshdary et al.	
	16	US-5441581	08-15-1996	Van den Syne et al.	
	17	US-5883138	03-16-1999	Hershkovitz et al.	
	18	US-5976721	11-02-1999	Limaye	
	19	US-5039401	06-17-1997	Jacobs et al.	

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	20	EP 1 134 188 A2	09-19-2001	The BOC Group	
	21	EP 0 624 643 A1	01-27-1993	Coming Inc.	
	22	EP 0 781 591 A2	07-02-1997	IGT Co., Ltd.	
	23	EP 0 548 679 A1	06-30-1993	Idemitsu Kosan	
	24	EP 0 640 661 A1	03-01-1995	Shell Internationale	

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	30	US-4537-873	08-27-1985	Kato et al.	
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	33	US-6458-334-B1	10-01-2002	Tamhankar et al.	
	34	US-5431-855	07-11-1995	Green et al.	
	35	US-5500-149	03-19-1996	Green et al.	
	36	US-6254-887-B1	07-03-2001	Schmidt et al.	
	37	US-6455-597-B2	09-24-2002	Hahn et al.	
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	39	WO 99/48805	09-30-1999	Carpenter	
	40	EP 0 303 438 A2	02-15-1989	Davy McKee Corp.	
	41	JP 11 342334	12-14-99	Nippon Shokubai	
	42	WO 93/01130	01-21-93	Bhattacharya	
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	1	SINTERED CERIA: A NEW DENSE AND FINE GRAINED CERAMIC MATERIAL by J.F. Baumard, G. Gault and A. Argente; Journal of the Less Common Metals, 127 (1987) 125-130	
	2	"A Comparative Study of Oxygen Storage Capacity Over Co ₃ Zr _{0.4} O ₂ Mixed Oxides Investigated by Temperature Programmed Reduction and Dynamic OSC Measurements," Hickey et al., Catalysis Letters, Vol. 72, No. 102, pp. 45-50 (2001)	
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